

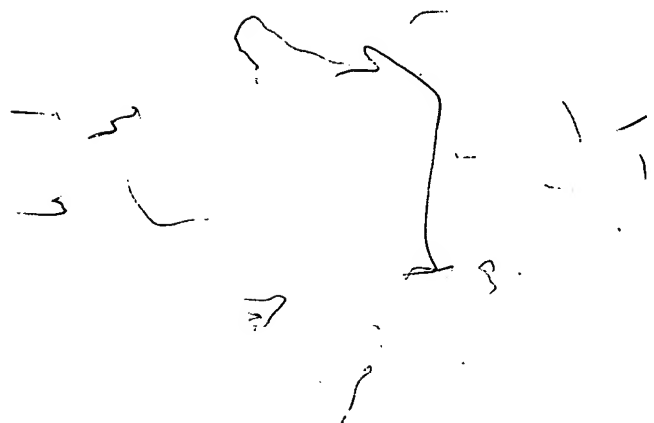
5040

## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.

Application Serial Number: 10/517,956  
Source: PCT  
Date Processed by STIC: 12-28-04

# ***ENTERED***





PCT

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/517,956

DATE: 12/28/2004

TIME: 11:41:47

Input Set : A:\PTO.YF.txt

Output Set: N:\CRF4\12282004\J517956.raw

2 <110> APPLICANT: Takeda Chemical Industries, Ltd.  
 4 <120> TITLE OF INVENTION: Novel Screening Method  
 6 <130> FILE REFERENCE: 3067WOOP  
 C--> 8 <140> CURRENT APPLICATION NUMBER: US/10/517,956  
 C--> 8 <141> CURRENT FILING DATE: 2004-12-13  
 8 <150> PRIOR APPLICATION NUMBER: JP 2002-173798  
 9 <151> PRIOR FILING DATE: 2002-06-14  
 11 <150> PRIOR APPLICATION NUMBER: JP 2002-205470  
 12 <151> PRIOR FILING DATE: 2002-07-15  
 14 <160> NUMBER OF SEQ ID NOS: 24  
 16 <210> SEQ ID NO: 1  
 17 <211> LENGTH: 351  
 18 <212> TYPE: PRT  
 19 <213> ORGANISM: Human  
 21 <400> SEQUENCE: 1  
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 24 Tyr Glu Ser Ala Gly Tyr Thr Val Leu Arg Ile Leu Pro Leu Val Val  
 25                   20                   25                   30  
 26 Leu Gly Val Thr Phe Val Leu Gly Val Leu Gly Asn Gly Leu Val Ile  
 27                   35                   40                   45  
 28 Trp Val Ala Gly Phe Arg Met Thr Arg Thr Val Thr Thr Ile Cys Tyr  
 29                   50                   55                   60  
 30 Leu Asn Leu Ala Leu Ala Asp Phe Ser Phe Thr Ala Thr Leu Pro Phe  
 31                   65                   70                   75                   80  
 32 Leu Ile Val Ser Met Ala Met Gly Glu Lys Trp Pro Phe Gly Trp Phe  
 33                   85                   90                   95  
 34 Leu Cys Lys Leu Ile His Ile Val Val Asp Ile Asn Leu Phe Gly Ser  
 35                   100                   105                   110  
 36 Val Phe Leu Ile Gly Phe Ile Ala Leu Asp Arg Cys Ile Cys Val Leu  
 37                   115                   120                   125  
 38 His Pro Val Trp Ala Gln Asn His Arg Thr Val Ser Leu Ala Met Lys  
 39                   130                   135                   140  
 40 Val Ile Val Gly Pro Trp Ile Leu Ala Leu Val Leu Thr Leu Pro Val  
 41                   145                   150                   155                   160  
 42 Phe Leu Phe Leu Thr Thr Val Thr Ile Pro Asn Gly Asp Thr Tyr Cys  
 43                   165                   170                   175  
 44 Thr Phe Asn Phe Ala Ser Trp Gly Gly Thr Pro Glu Glu Arg Leu Lys  
 45                   180                   185                   190  
 46 Val Ala Ile Thr Met Leu Thr Ala Arg Gly Ile Ile Arg Phe Val Ile  
 47                   195                   200                   205  
 48 Gly Phe Ser Leu Pro Met Ser Ile Val Ala Ile Cys Tyr Gly Leu Ile  
 49                   210                   215                   220

## RAW SEQUENCE LISTING

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PATENT APPLICATION: US/10/517,956

TIME: 11:41:47

Input Set : A:\PTO.YF.txt

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50 Ala Ala Lys Ile His Lys Lys Gly Met Ile Lys Ser Ser Arg Pro Leu
51 225                230                235                240
52 Arg Val Leu Thr Ala Val Val Ala Ser Phe Phe Ile Cys Trp Phe Pro
53                245                250                255
54 Phe Gln Leu Val Ala Leu Leu Gly Thr Val Trp Leu Lys Glu Met Leu
55                260                265                270
56 Phe Tyr Gly Lys Tyr Lys Ile Ile Asp Ile Leu Val Asn Pro Thr Ser
57                275                280                285
58 Ser Leu Ala Phe Phe Asn Ser Cys Leu Asn Pro Met Leu Tyr Val Phe
59                290                295                300
60 Val Gly Gln Asp Phe Arg Glu Arg Leu Ile His Ser Leu Pro Thr Ser
61 305                310                315                320
62 Leu Glu Arg Ala Leu Ser Glu Asp Ser Ala Pro Thr Asn Asp Thr Ala
63                325                330                335
64 Ala Asn Ser Ala Ser Pro Pro Ala Glu Thr Glu Leu Gln Ala Met
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68 <211> LENGTH: 1053
69 <212> TYPE: DNA
70 <213> ORGANISM: Human
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74 ggctacactg ttctgcggtt cctccatttg gtggtgcttg gggtcacctt tgtcctcggg 120
75 gtcctgggca atgggcttgt gatctgggtg gctggattcc ggatgacacg cacagtcacc 180
76 accatctgtt acctgaacct ggccctgggt gacttttctt tcacggccac attaccattc 240
77 ctcatctgtt ccatggccat gggagaaaaa tggccttttg gctggttcct gtgtaagtta 300
78 attcacatcg tgggtggacat caacctcttt ggaagtgtct tcttgattgg ttccattgca 360
79 ctggaccgct gcatttgtgt cctgcatcca gtctgggccc agaaccaccg cactgtgagt 420
80 ctggccatga aggtgatcgt cggaccttgg attcttgctc tagtccttac cttgccagtt 480
81 ttctcttttt tgactacagt aactattcca aatgggggaca catactgtac tttcaacttt 540
82 gcatcctggg gtggcaccct tgaggagagg ctgaagggtg ccattaccat gctgacagcc 600
83 agagggatta tccggtttgt cattggcttt agcttgccga tgtccattgt tgccatctgc 660
84 tatgggctca ttgcagccaa gatccacaaa aagggcattg ttaaattccag ccgtccctta 720
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86 gcccttcttg gcaccgtctg gctcaaagag atgttgttct atggcaagta caaatcatt 840
87 gacatcctgg ttaacccaac gagctccctg gccttcttca acagctgcct caaccccatg 900
88 ctttacgtct ttgtgggcca agacttccga gagagactga tccactccct gccaccagt 960
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93 <211> LENGTH: 24
94 <212> TYPE: PRT
95 <213> ORGANISM: Human
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99 1 5 10 15
100 Asp Leu Pro Val Lys Arg Arg Ala
101 20 24
103 <210> SEQ ID NO: 4

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## RAW SEQUENCE LISTING

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104 <211> LENGTH: 24
105 <212> TYPE: PRT
106 <213> ORGANISM: Human
108 <400> SEQUENCE: 4
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112           20           24
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115 <211> LENGTH: 24
116 <212> TYPE: PRT
117 <213> ORGANISM: Human
119 <400> SEQUENCE: 5
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121   1           5           10           15
122 Asp Leu Pro Val Lys Arg Arg Thr
123           20
125 <210> SEQ ID NO: 6
126 <211> LENGTH: 21
127 <212> TYPE: PRT
128 <213> ORGANISM: Human
130 <400> SEQUENCE: 6
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132   1           5           10           15
133 Asp Leu Pro Val Lys
134           20   21
136 <210> SEQ ID NO: 7
137 <211> LENGTH: 38
138 <212> TYPE: PRT
139 <213> ORGANISM: Rat
141 <400> SEQUENCE: 7
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144 Asp Leu Pro Val Lys Arg Leu Glu Ser Pro Asn Lys Thr Arg Arg Pro
145           20           25           30
146 Tyr Gly Ala Ser Ile Tyr
147           35           38
149 <210> SEQ ID NO: 8
150 <211> LENGTH: 24
151 <212> TYPE: PRT
152 <213> ORGANISM: Rat
154 <400> SEQUENCE: 8
155 Met Ala Lys Arg Gly Phe Asn Cys Leu Leu Leu Ser Ile Ser Glu Ile
156           5           10           15
157 Asp Leu Pro Val Lys Arg Leu Glu
158           20           24
160 <210> SEQ ID NO: 9
161 <211> LENGTH: 21
162 <212> TYPE: PRT

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TIME: 11:41:47

Input Set : A:\PTO.YF.txt

Output Set: N:\CRF4\12282004\J517956.raw

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163 <213> ORGANISM: Rat
165 <400> SEQUENCE: 9
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167           5                      10                      15
168 Asp Leu Pro Val Lys
169           20  21
171 <210> SEQ ID NO: 10
172 <211> LENGTH: 351
173 <212> TYPE: PRT
174 <213> ORGANISM: Rat
176 <400> SEQUENCE: 10
177 Met Glu Ala Asn Tyr Ser Ile Pro Leu Asn Val Ser Glu Val Val Val
178           5                      10                      15
179 Tyr Asp Ser Thr Ile Ser Arg Val Leu Trp Ile Leu Thr Met Val Val
180           20                      25                      30
181 Leu Ser Ile Thr Phe Val Leu Gly Val Leu Gly Asn Gly Leu Val Ile
182           35                      40                      45
183 Trp Val Ala Gly Phe Arg Met Val His Thr Val Thr Thr Cys Phe
184           50                      55                      60
185 Leu Asn Leu Ala Leu Ala Asp Phe Ser Phe Thr Val Thr Leu Pro Phe
186           65                      70                      75                      80
187 Phe Val Ile Ser Ile Ala Met Lys Glu Lys Trp Pro Phe Gly Trp Phe
188           85                      90                      95
189 Leu Cys Lys Leu Val His Ile Val Val Asp Ile Asn Leu Phe Gly Ser
190           100                     105                     110
191 Val Phe Leu Ile Ala Leu Ile Ala Leu Asp Arg Cys Ile Cys Val Leu
192           115                     120                     125
193 His Pro Val Trp Ala Gln Asn His Arg Thr Val Ser Leu Ala Arg Lys
194           130                     135                     140
195 Val Val Val Gly Pro Trp Ile Leu Ala Leu Ile Leu Thr Leu Pro Ile
196           145                     150                     155                     160
197 Phe Ile Phe Met Thr Thr Val Arg Ile Pro Gly Gly Asn Val Tyr Cys
198           165                     170                     175
199 Thr Phe Asn Phe Ala Ser Trp Gly Asn Thr Ala Glu Glu Leu Leu Asn
200           180                     185                     190
201 Ile Ala Asn Thr Phe Val Thr Val Arg Gly Ser Ile Arg Phe Ile Ile
202           195                     200                     205
203 Gly Phe Ile Met Pro Met Ser Ile Val Ala Ile Cys Tyr Gly Leu Ile
204           210                     215                     220
205 Ala Val Lys Ile His Arg Arg Ala Leu Val Asn Ser Ser Arg Pro Leu
206           225                     230                     235                     240
207 Arg Val Leu Thr Ala Val Val Ala Ser Phe Phe Ile Cys Trp Phe Pro
208           245                     250                     255
209 Phe Gln Leu Val Ala Leu Leu Gly Thr Ile Trp Phe Lys Glu Ser Leu
210           260                     265                     270
211 Phe Ser Gly Arg Tyr Lys Ile Leu Asp Met Trp Val His Pro Thr Ser
212           275                     280                     285
213 Ser Leu Ala Tyr Phe Asn Ser Cys Leu Asn Pro Met Leu Tyr Ala Phe
214           290                     295                     300

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Input Set : A:\PTO.YF.txt

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215 Met Gly Gln Asp Phe His Glu Arg Leu Ile His Ser Leu Pro Ser Ser
216 305                      310                      315                      320
217 Leu Glu Arg Ala Leu Ser Glu Asp Ser Gly Gln Thr Ser Asp Thr Gly
218                      325                      330                      335
219 Ile Ser Ser Ala Leu Pro Pro Val Asn Ile Asp Ile Lys Ala Ile
220                      340                      345                      350
222 <210> SEQ ID NO: 11
223 <211> LENGTH: 1053
224 <212> TYPE: DNA
225 <213> ORGANISM: Rat
227 <400> SEQUENCE: 11
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229 atctccagag ttttgtggat cctcacaatg gtggttctct ccatcacctt tgtcctgggt 120
230 gtgctgggta atggactagt gatctgggta gctggattcc ggatggtaca cactgtcacc 180
231 actacctgtt ttctgaatct agctttggct gacttctctt tcacagtgac tctaccattc 240
232 tttgtcatct caattgctat gaaagaaaaa tggccttttg gatggttcct gtgtaaatta 300
233 gttcacattg tagtagacat aaacctcttt ggaagtgtct tcctgattgc tttaattgcc 360
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238 agagggagca tcaggttcat tattggcttc ataatgccta tgtccattgt tgccatctgc 660
239 tatggactca tcgctgtcaa gatccacaga agagcacttg ttaattccag ccgtccatta 720
240 agagtcctta cagcagttgt ggcttccttc tttatctggt gggttccctt tcaactgggtg 780
241 gcccttttag gtacaatctg gtttaaagag tcattgttta gtggtcgtta caaaattctt 840
242 gacatgtggg ttcacccaac cagctcattg gcctacttca atagttgcct caatccaatg 900
243 ctctatgctt tcatgggcca ggactttcat gaaagactga ttcattccct gccttccagt 960
244 ctggagagag ccctgagtga ggactctggc caaaccagtg atacaggcat cagttctgct 1020
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248 <211> LENGTH: 351
249 <212> TYPE: PRT
250 <213> ORGANISM: Mouse
252 <400> SEQUENCE: 12
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256                      20                      25                      30
257 Val Ser Ile Thr Phe Phe Leu Gly Val Leu Gly Asn Gly Leu Val Ile
258                      35                      40                      45
259 Trp Val Ala Gly Phe Arg Met Pro His Thr Val Thr Thr Ile Trp Tyr
260                      50                      55                      60
261 Leu Asn Leu Ala Leu Ala Asp Phe Ser Phe Thr Ala Thr Leu Pro Phe
262 65                      70                      75                      80
263 Leu Leu Val Glu Met Ala Met Lys Glu Lys Trp Pro Phe Gly Trp Phe
264                      85                      90                      95
265 Leu Cys Lys Leu Val His Ile Val Val Asp Val Asn Leu Phe Gly Ser
266                      100                     105                     110
267 Val Phe Leu Ile Ala Leu Ile Ala Leu Asp Arg Cys Ile Cys Val Leu

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VERIFICATION SUMMARY

DATE: 12/28/2004

PATENT APPLICATION: US/10/517,956

TIME: 11:41:48

Input Set : A:\PTO.YF.txt

Output Set: N:\CRF4\12282004\J517956.raw

L:8 M:270 C: Current Application Number differs, Replaced Current Application No

L:8 M:271 C: Current Filing Date differs, Replaced Current Filing Date